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- (71) Applicant (for all designated States except US): **METABASIS THERAPEUTICS, INC.** [US/US]; 9390 Towne Centre Drive, San Diego, CA 92121 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **ERION, Mark, D.** [US/US]; 13455 Mango Drive, Del Mar, CA 92104 (US). **JIANG, Hongjian** [CN/US]; 13106 Sierra Mesa Road, San
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(54) Title: NOVEL PHOSPHORUS-CONTAINING THYROMIMETICS

Homologous Displacement Reactions

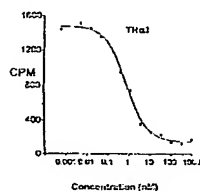


Fig. 1(a)  
T3 Binding Assay Results

Homologous Displacement Reactions

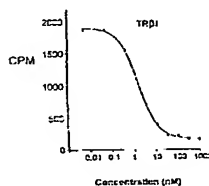


Fig. 1(b)  
T3 Binding Assay Results

Homologous Displacement Reactions

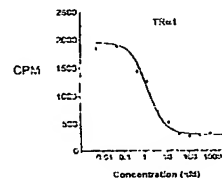


Fig. 1(c)  
Compound 17 Binding Assay Results

Homologous Displacement Reactions

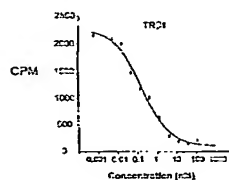


Fig. 1(d)  
Compound 17 Binding Assay Results

Homologous Displacement Reactions

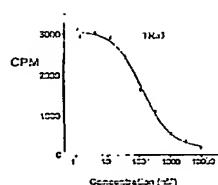


Fig. 1(e)  
Compound 7 Binding Assay Results

Homologous Displacement Reactions

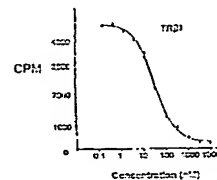


Fig. 1(f)  
Compound 7 Binding Assay Results

(57) Abstract: The present invention relates to compounds of phosphonic acid containing T3 mimetics, stereoisomers, pharmaceutically acceptable salts, co-crystals, and prodrugs thereof and pharmaceutically acceptable salts and co-crystals of the prodrugs, as well as their preparation and uses for preventing and/or treating metabolic diseases such as obesity, NASH, hypercholesterolemia and hyperlipidemia, as well as associated conditions such as atherosclerosis, coronary heart disease, impaired glucose tolerance, metabolic syndromex and diabetes.



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